

Figure 4  
9/23/83

#### PRIM PROCEDURES

- |       |           |   |
|-------|-----------|---|
| 4.1.2 | PRDDUMP   | - Create ITEM-DUMP statements.  |
| 4.1.3 | PRDLOAD   | - Create ITEM-LOAD statements.  |
| 4.3.2 | PRCAESTB  | - Establish a component's access criteria in that component's SELECTION file.   |
| 4.3.3 | PRCAUPDT  | - Extract data from the HRS2 INTERFACE file which pertains to PRIM to be used by the PRCHGLOAD procedure. This is a BATCHGIM II program.  |
| 4.3.4 | PRCHGLOAD | - Uses disk from PRCAUPDT to make changes to PRIM PERSIGN and related Index files, PRIMSEP and related Index files, INTERINDX and load INTERFACE record into the PRIM INTERFACE file. |
| 4.3.5 | PRCATRSF  | - Allows a component to create an access to an employee's record for another component or remove an access to a record created for one component by another component.                |
| 4.3.6 | PRNTEPRG  | - Review component access segmented file and purge any records with PRGDTE LE the System date.  |
| 4.3.7 | PRINTPRG  | - Review the PRIM INTERINDX file for INTERLINKS with INPURGE LE the   |

System date. Delete INTERLINK as well as the INTERFACE record related to it.

- 4.3.8 PRACCPDPT - Allows the user the freedom to change an PRGDTE and add SSNORs to their component data file.
- 4.3.9 PRCALINK - Uses SELECTION criteria data from the SELECTION segment for Signon ORG to trigger the appropriate Index file(s) to build the daily link for that ORG. Done once a day - at the time of the first Signon for a particular ORG.
- 4.3.10 PRINDX - This process extracts data from PRIM PERSIGN and/or PRIMSEP to re-establish the Index files.
- 4.3.11 PRCRTLINK - Uses SLORGLNK in the SELECTION segments to build new links to the ORGCODE file for each segment and SLPOSLNK in the SELECTION segments to build new links to the POSNR file for each segment. This procedure is executed on weekends by DBCC.
- 4.4.2.2 SEARCH - This procedure will be used by the components to query the NAME and HPOSNR files.
- 4.4.2.3 LISTSTMT - Allows a component to access per-formatted statements which contain selected full file data (QUAL, LREQID, ORGCODE, etc.) as well as high volume query statements, thus eliminating the need for a component to key the various data elements to execute their request.

Figure 5

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#### PRIM FILE DESCRIPTIONS

- PRIFN - PRIM INTERFACE File Name on HRS2 and PRIM. This file will insure dumps and loads are done in the same order. This file will contain all files to be dumped with a flag on those files to be dumped only on weekends. This file will also contain the Dataset Name(DSN) to be used in moving the data. This record will also contain a unique flag.
- SEGACCESS - Set of segmented files. One set of segments will be established for each level of component access requested. The file name will be the SYSMAN2 Signon concatenated to either 'A' (Active), 'S' (Separated) or 'C' (Component). All access of official data (Active and Separated) will be through these segmented files.
- OFFICIAL  
DATA FILES - Files containing official personnel data. These files are moved from HRS2 and include all official data required from HRS2 by PRIM. In the data flow, these are noted by one box but are really many files.
- EDIT AND  
VALIDATION - Files containing edit and validation data used in HRS2. These files are moved from HRS2 to support the official data files and in Release 2 will support the Component data files. In the data flow these are noted by one box but are really many files.

- INTERFACE - This file contains all current INTERFACE data passed to PRIM from HRS2. The file will be accessed through SEGACCESS segments spanning to an INTERINDX which spans to INTERFACE. An INPURGE date for each INTERFACE record will be stored in the INTERINDX file and INTERFACE records will be deleted when that date is reached. Data will be loaded into the PRIM INTERINDX file via a BULK-LOAD statement using the disk created by the PRCAUPDT procedure creating an INPURGE date for each record. Data will be loaded into the PRIM INTERFACE file via an ITEM-DUMP statement using the same disk.
- PRIMSEP - This file will contain the PRIM PERSIGN record for a separated employee plus that employee's reason for separation and date of separation. This data is accessed by a component through the SEGACCESS file (SYSMAN2+S) containing that component's Separated data links.
- PRIM  
PERSIGN - This is considered one of the Official Data files in so far as how it is linked. The entire PERSIGN file will be moved only once (not daily) into PRIM and will be updated daily by the PRCHGLOAD procedure with data received from the HRS2 INTERFACE File via the PRCAUPDT procedure. The PERSIGN data is accessed by a component through the SEGACCESS file (SYSMAN2+A) containing that component's Active data links.
- SELECTION - Set of segmented files. One segment will be established for each Signon Org. This file will contain the Criteria used to select records authorized for the Signon ORG, Signon ORG text, ORGCODE links (SLORGLNK) and POSNR links (SLPOSLNK). The ORGCODE and POSNR data is accessed by a component through the Selection File.
- INDEX FILES - A group of files will be provided for both Active data and Separated data indexing. The files will be used indirectly via XBRIDGING from the PRIM PERSIGN and PRIMSEP files. A file will be provided for each Selection element used when building a Component's

Active and Separated data links. The Index files will be established once and updated through XBRIDGES. However, the Index files can be re-established with the PRINDX process.

STATEMENT  
FILE

- This file will permit the PRIM DBMGR to format high volume query statements which components will utilize via the LISTSTMT procedure.

INTERINDX

- This file is the link between the SEGACCESS files and the INTERFACE file. It contains a purge date (INPURGE) for each INTERFACE record. This date will be used when purging data from the INTERFACE file. The INTERINDX link (INTERLINK) will also be deleted.

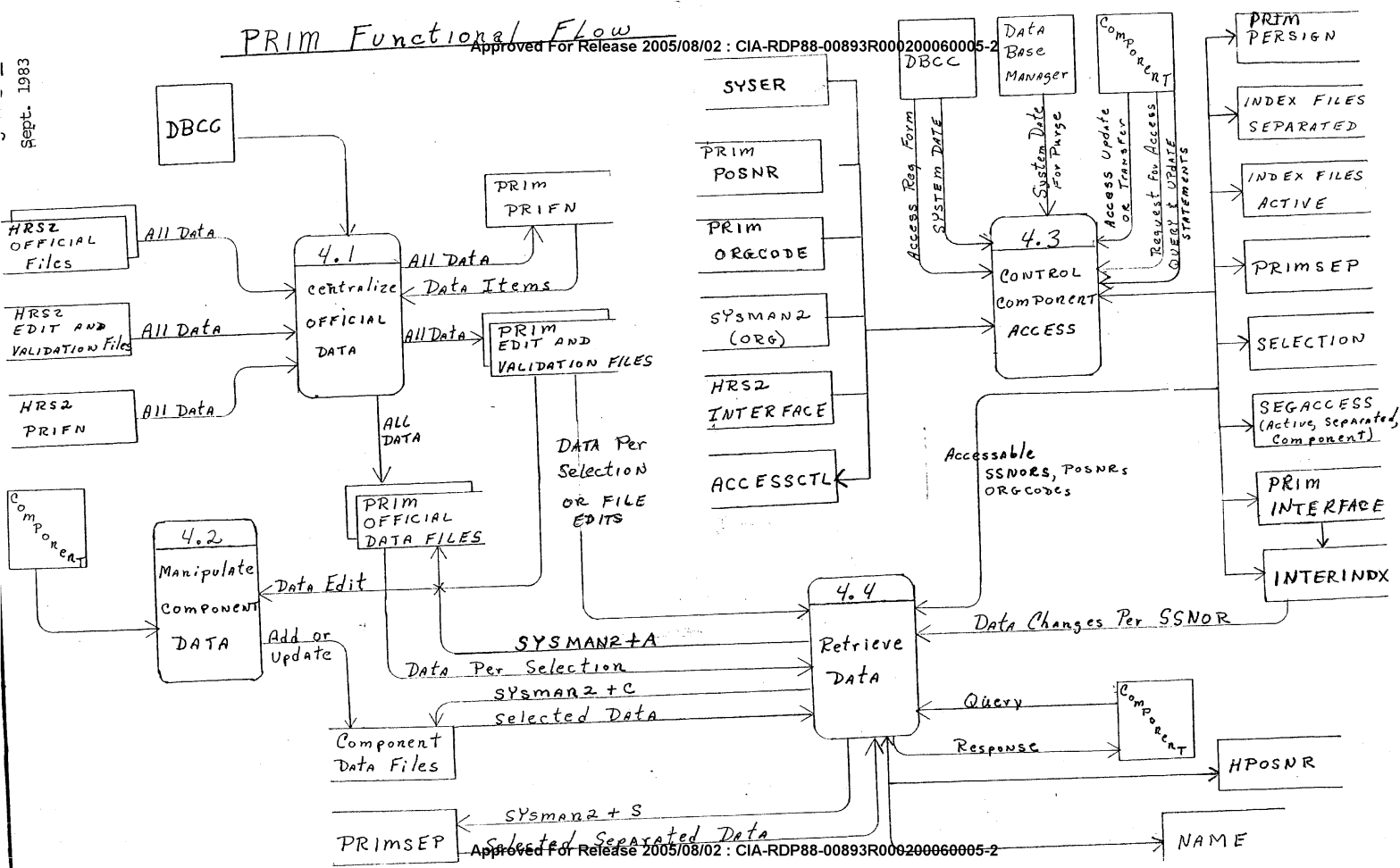
SYSER

- In addition to its normal function, this file will contain the Delete-Data and Invert statements needed to create new Index files for PRIM PERSIGN and PRIMSEP. This file is used by the PRINDX process.

Sept. 1983

# PRIM Functional Flow

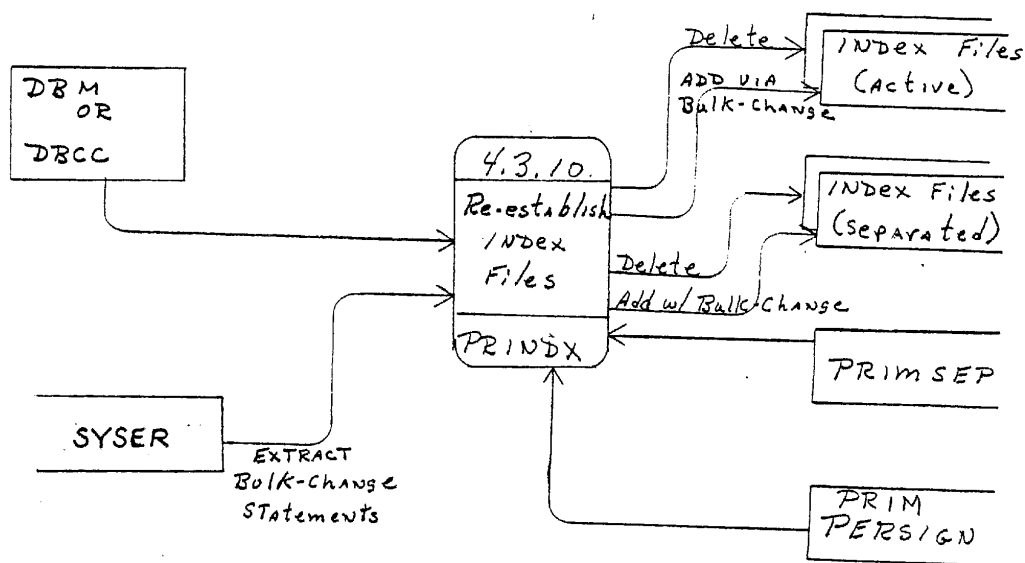
Approved For Release 2005/08/02 : CIA-RDP88-00893R000200060005-2



Approved For Release 2005/08/02 : CIA-RDP88-00893R000200060005-2

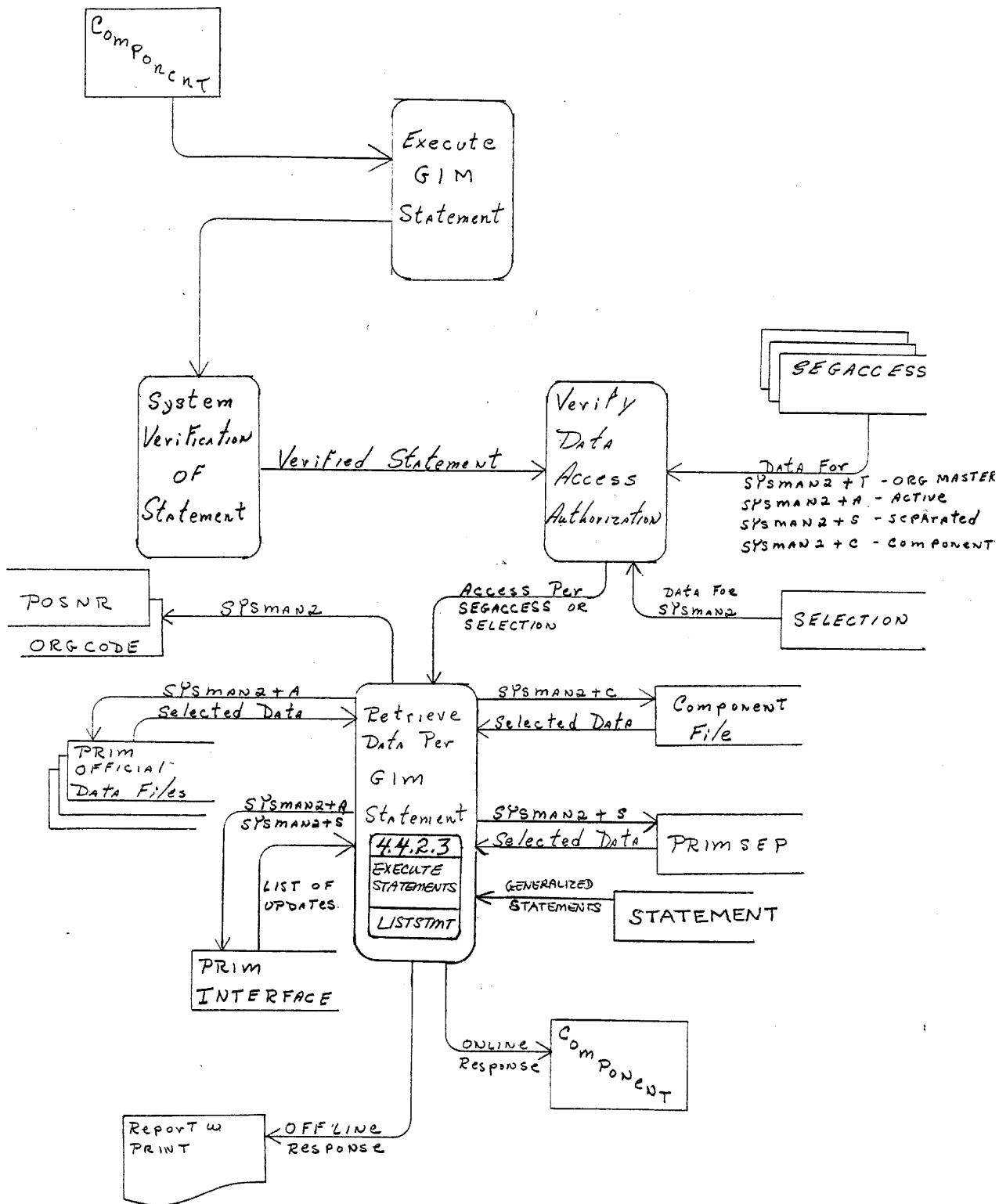
Sept. 1983

# 4.3.10 PRINDEX - PRIM Indexing OF Data



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### 4.4.2.1 Basic Queries Via SEGACCESS AND SELECTION FILES





# ROUTING AND RECORD SHEET

SUBJECT: (Optional)

90.6.4

FROM:

EXTENSION

NO.

PRIM Te  
2-E- 21

DATE

10 November 1983

STATINTL

TO: (Officer  
building)

and

DATE

OFFICER'S  
INITIALS

COMMENTS (Number each comment to show from whom  
to whom. Draw a line across column after each comment.)

RECEIVED

FORWARDED

1. C/CSD/OC

ATT:

2-B

M

2.

C/EAB

?

CX

3.

C/EAB/CES

4.

5.

6.

7.

8.

9.

10.

11.

12.

13.

14.

15.

Attached are replacement pages for attachments to the PRIM Preliminary System Design Specifications Document that was distributed in April 1983. The attachments to that document also apply to the PRIM Detailed System Design Specifications document. The attached pages reflect slight changes between Preliminary and Detailed documents. Figure 1 reflects file name change from INDEXLOAD to SYSER. Figure 4 reflects the addition of LISTSTMT procedure. Figure 5 reflects addition of STATEMENT and SYSER files. Figure 12 reflects the SYSER file and where it applies. Figure 14 reflects LISTSTMT procedure and where it applies. These replacement pages and the unchanged attachments should now be attached to the PRIM Detailed System Design Specifications Document.

## ROUTING AND RECORD SHEET

SUBJECT: (Optional)

PRIM Detailed System Design Phase Documents

FROM:

EXTENSION

NO.

PRIM  
2-E-2

DATE

13 October 1983

TO: (Officer designation, room number, and building)

DATE

RECEIVED

FORWARDED

OFFICER'S  
INITIALS

COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)

1. C/CSD/OC

ATT:

2-B-0

2.

C/EAB

3.

CES - ?

4.

5.

6.

7.

8.

9.

10.

11.

12.

13.

14.

15.

STATINTL

Attached are the Detailed System Design Documents for your information.

If you have any questions concerning these documents,

## Attachments:

Original Documents

Detailed System Design  
Specifications

System Integration Test Plan  
Acceptance Test Plan

Updated Documents

System Development Document  
(MBO Portion)

Requirements Traceability  
Matrix